Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A catheter system for positioning a stent at a vessel bifurcation, the catheter system comprising:

a catheter, the catheter comprising:

a channel having a main guidewire lumen extending proximally from a distal end of said catheter to a main exit port, said main exit port located at a first distance from said distal end, wherein said main guidewire lumen is configured to receive a main vessel guidewire therethrough; and

a branch guidewire enclosure positioned alongside said channel ~~and extending proximally from said side opening of said stent to a branch exit port, said branch exit port located at a second distance from said distal end of said catheter system~~, wherein said branch guidewire enclosure is configured to receive a branch vessel guidewire therethrough; and

a stent having a lumen and a side opening in a wall thereof, said stent positioned on a distal portion of said channel, and wherein a distal portion of said branch guidewire enclosure is positioned through said lumen and exiting at said side opening,

said branch guidewire enclosure extending proximally from said side opening of said stent to a branch exit port, said branch exit port located at a second distance from said distal end of said catheter system, said branch guidewire enclosure coupled to said channel adjacent said branch exit port, said first distance and said second distance being substantially equal,

wherein ~~at least one of~~ said first distance and said second distance ~~is~~ are less than a distance from said distal end of said catheter system to a proximal end of said catheter system and greater than a distance from said distal end of said catheter system to said proximal end of said stent.

2. (Original) The catheter system of claim 1, further comprising a balloon disposed on said channel and through said lumen of said stent, said balloon being for expansion of said stent.

3. (Original) The catheter system of claim 2, wherein said channel further comprises an inflation portion for inflating said balloon.

4. (Original) The catheter system of claim 1, further comprising a bond portion connecting said main exit port and said branch exit port to a proximal tube, said proximal tube extending proximally from said bond portion to the proximal end of said catheter system.

5. (Orignal) The catheter system of claim 1, wherein said first distance is between 10 and 50 centimeters.

6-7. (Canceled).

8. (Currently Amended) The catheter system of claim 1, wherein said first distance ~~is between 10 and 50 centimeters and said second distance~~ is between 50 and 150 centimeters.

9-12. (Canceled)

13. (Currently Amended) A catheter comprising:

a proximal tube portion;

a distal portion comprising a first ~~lumen~~ tube having a proximal open end and a second ~~lumen~~ tube having a proximal open end, wherein said first ~~lumen~~ tube is configured to receive a first guidewire and said second ~~lumen~~ tube is configured to receive a second guidewire; and

a bond portion connecting said proximal tube portion with said distal portion, wherein said bond portion comprises a three-way bond, wherein said three-way bond couples the proximal tube portion to said proximal open end of said first tube and said proximal open end of said second tube.

14. (Original) The catheter of claim 13, farther comprising a balloon disposed on said distal portion, wherein said distal portion comprises an inflation lumen, said inflation lumen being in communication with said balloon for inflation thereof.

15. (Original) The catheter of claim 14, further comprising a stent positioned on said balloon, and wherein said second guidewire is configured to exit through a side opening in said stent.

16. (Currently Amended) The catheter of claim 13, wherein said first lumen is attached to said second lumen external of said bond portion.

17. (Original) The catheter of claim 16, wherein said attachment is along an entire length of said second lumen.

18. (Canceled)

19. (Currently Amended) The catheter of claim 15, wherein said bond portion is located a predetermined distance proximally from a proximal portion of said stent.

20. (Original) The catheter of claim 19, wherein said predetermined distance is 5-15 centimeters.

21. (Currently Amended) The catheter of claim 13, wherein said proximal tube portion ~~connection~~ connects to said three-way bond at a distance from where said distal portion ~~connection~~ connects to said three-way bond.

22. (Original) The catheter of claim 13, wherein said first and second guidewires are configured to exit said catheter at said bond portion.

23. (Currently Amended) The catheter of claim 13, ~~wherein said~~ further comprising a first guidewire and ~~said~~ a second guidewire that are less than 50 centimeters in length.

24-27. (Canceled)